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ABSTRACT

In the midst of an information explosion, it is increasingly important for educators and students to learn how to effectively use new technologies. Technologies impacting education are examined, including school LANs (Local Area Networks), the Internet, and multimedia, and the best use of these technologies in an educational setting is demonstrated. Compact disc, interactive videodisc, digital audio, digitized video, hypermedia, local area networks, telecommunications, and teleconferencing are examined. For each technology, advantages and disadvantages, educational applications, and implementation techniques are considered. Contact information about software and hardware vendors, lists of appropriate reference materials, and a glossary of terminology are offered. Chapters have been written to function independently to facilitate in-service workshops, and relevant topics are cross-referenced. Each entry includes a summary of the topic on a camera-ready brochure that can be copied and distributed. Detailed graphics throughout the book illustrate hardware, software, and applications. This guide can be used as a professional resource, a guide for in-service education, or a textbook for multimedia and technology courses at the undergraduate and graduate levels. (MAS)

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